

Application No. 09/912,990
Attorney Docket No. 11521US02

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

33. (Canceled)

34. (Currently Amended) ~~The system of claim 33~~ A communication system employing radio frequency mixing frequencies to transmit and receive data symbols comprising:
a transmitter of at least one predetermined signal; and
a plurality of remote units responsive to the at least one predetermined signal to adjust the phase of at least some of the received data symbols to compensate for differences in the mixing frequencies and to align the phase of at least some of the transmitted data symbols with at least some of the received data symbols.

wherein the at least one unit is responsive to the at least one predetermined signal to adjust the phase of at least some of the received data symbols by rotating the phase of the at least some received data symbols.

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35. (Currently Amended) The system of claim ~~33~~ 34 wherein the at least one predetermined signal comprises a pilot tone.

36. (Currently Amended) The system of claim ~~33~~ 34 wherein the at least one predetermined signal comprises an impulse signal.

37. (Currently Amended) The system of claim ~~33~~ 34 wherein the data symbols comprise one of OFDM and DMT symbols.

38. (Canceled)

39. (Currently Amended) ~~The method of claim 38~~ A method of employing radio frequency mixing frequencies to transmit and receive data symbols comprising:
transmitting at least one predetermined signal;
adjusting the phase of at least some of the received data symbols to compensate for differences in the mixing frequencies in response to the at least one predetermined signal;
and
aligning the phase of at least some of the transmitted data symbols with at least some of the received data symbols in response to the at least one predetermined signal,
wherein the adjusting the phase comprises rotating the phase of the at least some received data symbols.

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40. (Currently Amended) The method of claim ~~38~~ 39 wherein the at least one predetermined signal comprises a pilot tone.

41. (Currently Amended) The method of claim ~~38~~ 39 wherein the at least one predetermined signal comprises an impulse signal.

42 (Currently Amended) The method of claim ~~38~~ 39 wherein the data symbols comprise one of OFDM and DMT symbols.

43-48. (Cancelled)